

174969

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From: Seharaseyon, Jegatheesan
Sent: Friday, December 23, 2005 8:37 AM
To: STIC-Biotech/ChemLib
Subject: RE: 10/084706

Hi,
Can you please do an interference search only for SEQ ID NO: 2 of 10/084706.

Thanks in advance.

Seyon.

J.Seharaseyon
Art Unit 1647
Remsen 4C61
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Fax: (571)-273-0892

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Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
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Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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OM protein - protein search, using sw model

Run on: December 24, 2005, 04:01:34 ; Search time 49 Seconds
(without alignments)
280.085 Million cell updates/sec

Title: US-10-084-706-2

Perfect score: 874

Sequence: 1 MSYNLLGLFQSSNFQCKL.....RVEILNRYFINRLTGYLRN 166

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
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2: /cgm2_6/ptodata/1/1aa/6 COMB.pep:*
3: /cgm2_6/ptodata/1/1aa/H COMB.pep:*
4: /cgm2_6/ptodata/1/1aa/PCTUS COMB.pep:*
5: /cgm2_6/ptodata/1/1aa/RE COMB.pep:*
6: /cgm2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	874	100.0	166	2	US-09-397-992A-7
2	874	100.0	166	2	US-09-569-722A-1
3	874	100.0	166	2	US-09-648-569A-2
4	874	100.0	166	2	US-09-971-843-7
5	874	100.0	166	2	US-09-403-532E-1
6	874	100.0	166	2	US-09-462-941-5
7	874	100.0	166	2	US-10-035-397-1
8	874	100.0	166	6	5514567-4
9	874	100.0	183	2	US-09-832-659A-4
10	874	100.0	183	2	US-09-832-658A-2
11	874	100.0	187	2	US-09-206-903A-9
12	874	100.0	187	2	US-08-406-030A-30
13	874	100.0	187	2	US-09-202-122-9
14	874	100.0	187	2	US-09-206-935-7
15	874	100.0	187	2	US-09-206-936-7
16	874	100.0	187	2	US-09-487-792-4
17	874	100.0	187	2	US-09-908-594-4
18	874	100.0	187	2	US-09-919-622A-9
19	874	100.0	187	2	US-09-949-016-9681
20	874	100.0	187	2	US-09-788-552-1
21	874	100.0	187	6	5514567-1
22	874	100.0	399	2	US-09-832-659A-2
23	874	100.0	415	2	US-09-215-212-14
24	872	99.8	166	1	US-08-477-310A-1
25	869	99.4	166	1	US-08-213-448-1
26	869	98.4	166	2	US-08-912-768-1
27	869	99.4	166	2	US-09-569-722A-4

28	869	99.4	166	2	US-09-569-722A-18	Sequence 18, Appl
29	869	99.4	166	4	PCT-US95-03206-1	Sequence 1, Appl
30	869	99.4	187	2	US-08-912-768-3	Sequence 3, Appl
31	867	99.2	166	2	US-09-487-792-21	Sequence 21, Appl
32	867	99.2	166	2	US-09-908-594-21	Sequence 21, Appl
33	867	99.2	166	2	US-09-788-552-2	Sequence 2, Appl
34	866	99.1	187	1	US-08-026-758-22	Sequence 22, Appl
35	865	99.0	166	2	US-09-331-260-2	Sequence 22, Appl
36	865	99.0	418	2	US-09-832-659A-42	Sequence 42, Appl
37	865	99.0	423	2	US-09-832-659A-44	Sequence 44, Appl
38	864	98.9	166	2	US-09-569-722A-5	Sequence 5, Appl
39	864	98.9	166	2	US-10-035-397-2	Sequence 2, Appl
40	859	98.3	166	2	US-09-832-659A-60	Sequence 60, Appl
41	859	98.3	166	2	US-09-832-658A-25	Sequence 25, Appl
42	857	98.1	187	6	5326859-1	Patent No. 5326859
43	855	97.8	166	2	US-09-569-722A-13	Sequence 13, Appl
44	855	97.8	166	2	US-09-569-722A-19	Sequence 19, Appl
45	850	97.3	166	2	US-09-569-722A-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1

US-09-397-992A-7
; Sequence 7, Application US/09397992A
; Patent No. 6329175
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell
; APPLICANT: Grant, Francis J.
; APPLICANT: Rixon, Mark W.
; APPLICANT: Kindsvogel, Wayne
; TITLE OF INVENTION: Interferon-epsilon
; FILE REFERENCE: 98-46
; CURRENT APPLICATION NUMBER: US/09/397,992A
; PRIORITY FILING DATE: 1999-09-16
; PRIOR APPLICATION NUMBER: 60/101,012
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/118,578
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: 60/142,766
; PRIOR FILING DATE: 1999-07-08
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-397-992A-7

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB	1	MSYNLLGLFQSSNFQCKLWLNGLRLEYCLKDRMNFDPBEIKLOQFOQKEDAAITY	60
QY	61	EMLQNIPIAFIQDSSSTGNETIVENLANYVHQLNHLKTVLEEKLEKEDFTRGKLMSSL	120
DB	61	EMLQNIPIAFIQDSSSTGNETIVENLANYVHQLNHLKTVLEEKLEKEDFTRGKLMSSL	120
QY	121	HLKRYGRILHYLKAKKEYSHCAWTVRVEILNRYFINRLTGYLRN	166
DB	121	HLKRYGRILHYLKAKKEYSHCAWTVRVEILNRYFINRLTGYLRN	166

RESULT 2

US-09-569-722A-1
; Sequence 1, Application US/09569722A
; Patent No. 6514729
; GENERAL INFORMATION:
; APPLICANT: Bentzien, Joerg M

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND PROTEINS WITH INTERFERON-BETA ACTIVITY
; FILE REFERENCE: A-68059-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/569,722A
; CURRENT FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 60/133,785
; PRIOR FILING DATE: 1999-05-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-569-722A-1

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60
Db 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60
Qy 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQINHLKTVLEBKLEKEDPTRCKLMSSL 120
Db 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQINHLKTVLEBKLEKEDPTRCKLMSSL 120
Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILRNFFINRLTGYLNR 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILRNFFINRLTGYLNR 166

RESULT 3

US-09-648-569A-2
; Sequence 2, Application US/09648569A
; Patent No. 6531122
; GENERAL INFORMATION:
; APPLICANT: Pedersen, A.H., et al.
; APPLICANT: Maxygen APS
; TITLE OF INVENTION: Interferon-Beta Variants and Conjugates
; FILE REFERENCE: 0202us810
; CURRENT APPLICATION NUMBER: US/09/648,569A
; CURRENT FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-648-569A-2

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60
Qy 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQINHLKTVLEBKLEKEDPTRCKLMSSL 120
Db 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQINHLKTVLEBKLEKEDPTRCKLMSSL 120
Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILRNFFINRLTGYLNR 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILRNFFINRLTGYLNR 166

RESULT 4

US-09-971-843-7
; Sequence 7, Application US/09971843
; Patent No. 6544505
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.

; APPLICANT: Grant, Francis J.
; APPLICANT: Rixon, Mark W.
; APPLICANT: Kindevogel, Wayne
; TITLE OF INVENTION: Interferon-epsilon
; FILE REFERENCE: 98-46D1
; CURRENT APPLICATION NUMBER: US/09/971,843
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/101,012
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/118,578
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: 60/142,766
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 09/397,992
; PRIOR FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-971-843-7

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60
Db 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60
Qy 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQINHLKTVLEBKLEKEDPTRCKLMSSL 120
Db 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQINHLKTVLEBKLEKEDPTRCKLMSSL 120
Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILRNFFINRLTGYLNR 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILRNFFINRLTGYLNR 166

RESULT 5

US-09-403-532B-1
; Sequence 1, Application US/09403532B
; Patent No. 6572853
; GENERAL INFORMATION:
; APPLICANT: Fraunhofer-Gesellschaft zur Foerderung Angewan
; APPLICANT: Schneider-Presenius, Christian
; APPLICANT: Otto, Bernd
; APPLICANT: Waschutza, Gero
; TITLE OF INVENTION: HUMAN RECOMBINANT BETA-INTERFERON WITH IMPROVED SOLUBILITY
; FILE REFERENCE: 127-65050
; CURRENT APPLICATION NUMBER: US/09/403,532B
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/EP/98/02238
; PRIOR FILING DATE: 1998-04-16
; PRIOR APPLICATION NUMBER: DE 19717864.2
; PRIOR FILING DATE: 1997-04-23
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-403-532B-1

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60
Db 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60

QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
Db 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166
Db 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166

RESULT 6

US-09-462-941-5
; Sequence 5, Application US/09462941
; Patent No. 6808183
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/09/462,941
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 5
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-462-941-5

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Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKOLOQFOKEDAAALTY 60
Db 1 MSYNLLGFLQSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKOLOQFOKEDAAALTY 60
QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
Db 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166
Db 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166

RESULT 7

US-10-035-397-1
; Sequence 1, Application US/10035397
; Patent No. 6887462
; GENERAL INFORMATION:
; APPLICANT: Shirley, Bret A.
; APPLICANT: Babuka, Susan
; APPLICANT: Chen, Bao-Lu
; APPLICANT: Hora, Maninder
; APPLICANT: Choe, Minna
; APPLICANT: Tellers, Melanie
; TITLE OF INVENTION: HSA-Free Formulations of Interferon-Beta
; FILE REFERENCE: PPI7201.003
; CURRENT APPLICATION NUMBER: US/10/035,397
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 60/330,404
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/282,614
; PRIOR FILING DATE: 2001-04-09
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-035-397-1

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MSYNLLGFLQSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKOLOQFOKEDAAALTY 60
QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
Db 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166
Db 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166

RESULT 8

5514567-4
; Patent No. 5514567
; APPLICANT: SUGANO, HARUO; MURAMATSU, MASAMI; TANIGUCHI,
; TADATSUGU
; TITLE OF INVENTION: DNA AND RECOMBINANT PLASMID
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/400,179
; FILING DATE: 06-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 389,922
; FILING DATE: 18-JUN-1982
; APPLICATION NUMBER: 201,359
; FILING DATE: 27-OCT-1980
; SEQ ID NO: 4
; LENGTH: 166
5514567-4

Query Match 100.0%; Score 874; DB 6; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MSYNLLGFLQSSNFQCKLLQWLNGLRLEYCLKDRMNFDPPEIKOLOQFOKEDAAALTY 60
QY 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
Db 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166
Db 121 HLKRYGRIHLKAKYSHCAWTIVRVEILRNFFYNRLTGTLRN 166

RESULT 9

US-09-832-659A-4
; Sequence 4, Application US/09832659A
; Patent No. 6800735
; GENERAL INFORMATION:
; APPLICANT: WHITTY, ADRIAN
; APPLICANT: RUNKEL, LAURA
; APPLICANT: BRICKELMAIER, MARGOT
; APPLICANT: HOCHMAN, PAULA
; TITLE OF INVENTION: INTERFERON-BETA FUSION PROTEINS AND USES
; FILE REFERENCE: BII-007.01
; CURRENT APPLICATION NUMBER: US/09/832,659A
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/24200
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/120,237
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/104,491
; PRIOR FILING DATE: 1998-10-16

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; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 4
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-832-659A-4

Query Match      100.0%; Score 874; DB 2; Length 183;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 18 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQFQKEDAALTYI 77

Qy 61 EMLQNIFAIPQDSSSTGWNTEIVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 120
Db 78 EMLQNIFAIPQDSSSTGWNTEIVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 137

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
Db 138 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 183

RESULT 10
US-09-832-658A-2
; Sequence 2, Application US/09832658A
; Patent No. 6962978
; GENERAL INFORMATION:
; APPLICANT: Pepinsky, Blake
; APPLICANT: Runkel, Laura
; APPLICANT: Brickelmaier, Margot
; APPLICANT: Whitty, Adrian
; APPLICANT: Hochman, Paula
; TITLE OF INVENTION: Polymer Conjugates of Interferon Beta-1a
; FILE REFERENCE: 00689-514/A065
; CURRENT APPLICATION NUMBER: US/09/832,658A
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/24201
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/104,572
; PRIOR FILING DATE: 1998-10-16
; PRIOR APPLICATION NUMBER: 60/120,161
; PRIOR FILING DATE: 1999-02-16
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 183
; TYPE: PRT
; ORGANISM: murine
US-09-832-658A-2

Query Match      100.0%; Score 874; DB 2; Length 183;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 18 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQFQKEDAALTYI 77

Qy 61 EMLQNIFAIPQDSSSTGWNTEIVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 120
Db 78 EMLQNIFAIPQDSSSTGWNTEIVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 137

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
Db 138 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 183

RESULT 11
US-09-206-903A-9

; Sequence 9, Application US/09206903A
; Patent No. 6200780
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul J.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERPERONS
; FILE REFERENCE: P1224-2R1
; CURRENT APPLICATION NUMBER: US/09/206,903A
; CURRENT FILING DATE: 1998-12-07
; PRIOR APPLICATION NUMBER: US 60/106,463
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 9
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-903A-9

Query Match      100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQFQKEDAALTYI 60
Db 22 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQFQKEDAALTYI 81

Qy 61 EMLQNIFAIPQDSSSTGWNTEIVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 120
Db 82 EMLQNIFAIPQDSSSTGWNTEIVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 141

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
Db 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 187

RESULT 12
US-08-406-030A-30
; Sequence 30, Application US/08406030A
; Patent No. 6270989
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Heartlein, Michael W.
; APPLICANT: Hauge, Brian M.
; APPLICANT: Selden, Richard F.
; TITLE OF INVENTION: Protein Production and Delivery
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/406,030A
; FILING DATE: 17-MAR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/243,391
; FILING DATE: 13-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/985,586
; FILING DATE: 03-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/911,533
; FILING DATE: 10-JUL-1992
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,840
; FILING DATE: 05-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/789,188
; FILING DATE: 05-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11704
; FILING DATE: 02-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/09627
; FILING DATE: 05-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: TKT95-01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 187 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-406-030A-30

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 166
DB 142 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 187

RESULT 13
US-09-202-122-9
; Sequence 9, Application US/09202122
; Patent No. 6299869
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: HUMAN INTERFERON-EPSILON: A TYPE I INTERFERON
; FILE REFERENCE: P1224R2 (filed)
; CURRENT APPLICATION NUMBER: US/09/202,122
; CURRENT FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: PCT/US98/25672
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 9
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-202-122-9

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 166
DB 142 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 187

RESULT 14
US-09-206-935-7
; Sequence 7, Application US/09206935
; Patent No. 6299877
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: 60/084,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-206-935-7

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 166
DB 142 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 187

RESULT 15
US-09-206-936-7
; Sequence 7, Application US/09206936A
; Patent No. 6300475
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: No. 6300475el Interferon
; FILE REFERENCE: P1224R1
; CURRENT APPLICATION NUMBER: US/09/206,936A
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 7
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-206-936-7

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAATYY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 166
DB 142 HLKRYGRIILHYLKAKEYSHCAWTIVRVEILNPFYFINRLTGYLRN 187
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Qy 1 MSYNLLGFQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAAITY 60
Db 22 MSYNLLGFQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAAITY 81
Qy 61 EMLQNIFAIFRODSSSTGWNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
Db 82 EMLQNIFAIFRODSSSTGWNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFFINRLTGILRN 166
Db 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFFINRLTGILRN 187

Search completed: December 24, 2005, 04:15:22
Job time : 50 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 24, 2005, 04:14:21 ; Search time 163 Seconds
(without alignments)
425.519 Million cell updates/sec

Title: US-10-084-706-2
Perfect score: 874
Sequence: 1 MSYNLLGFLQSSNFQCKL.....RVEILNRYFINRLTGYLRN 166

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Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	874	100.0	166	3	US-09-971-843-7
2	874	100.0	166	3	US-09-732-436-16
3	874	100.0	166	4	US-10-246-932-1
4	874	100.0	166	4	US-10-186-962-1
5	874	100.0	166	4	US-10-400-377-5
6	874	100.0	166	4	US-10-400-708-5
7	874	100.0	166	4	US-10-084-706-2
8	874	100.0	166	4	US-10-298-148-5
9	874	100.0	166	4	US-10-325-720-2
10	874	100.0	166	4	US-10-351-189-2
11	874	100.0	166	4	US-10-609-296-2
12	874	100.0	166	4	US-10-448-667-1
13	874	100.0	166	4	US-10-743-068-2
14	874	100.0	166	4	US-10-658-834A-196
15	874	100.0	166	4	US-10-658-834A-197
16	874	100.0	166	4	US-10-743-295-3
17	874	100.0	166	4	US-10-676-705-15
18	874	100.0	166	4	US-10-773-939-5
19	874	100.0	166	4	US-10-677-093-15
20	874	100.0	166	4	US-10-774-149-5
21	874	100.0	166	4	US-10-773-654-5
22	874	100.0	166	5	US-10-866-540-5
23	874	100.0	166	5	US-10-856-219-5
24	874	100.0	166	5	US-10-886-414-1
25	874	100.0	166	5	US-10-471-894B-1
26	874	100.0	166	5	US-10-820-467-15
27	874	100.0	166	5	US-10-820-467-46

28	874	100.0	166	5	US-10-775-180-153	Sequence 153, App
29	874	100.0	166	5	US-10-775-180-154	Sequence 154, App
30	874	100.0	166	5	US-10-775-180-165	Sequence 165, App
31	874	100.0	166	5	US-10-775-180-167	Sequence 167, App
32	874	100.0	166	5	US-10-775-180-647	Sequence 647, App
33	874	100.0	166	5	US-10-775-180-648	Sequence 648, App
34	874	100.0	166	5	US-10-775-180-649	Sequence 649, App
35	874	100.0	166	5	US-10-685-288-5	Sequence 5, Appli
36	874	100.0	166	5	US-10-811-492-3	Sequence 3, Appli
37	874	100.0	166	5	US-10-866-580-5	Sequence 5, Appli
38	874	100.0	166	5	US-10-773-530-5	Sequence 5, Appli
39	874	100.0	166	5	US-10-775-204-463	Sequence 463, App
40	874	100.0	166	5	US-10-775-204-464	Sequence 464, App
41	874	100.0	166	5	US-10-775-204-527	Sequence 527, App
42	874	100.0	166	5	US-10-775-204-539	Sequence 539, App
43	874	100.0	166	5	US-10-775-204-1723	Sequence 1723, Ap
44	874	100.0	166	5	US-10-775-204-1724	Sequence 1724, Ap
45	874	100.0	166	5	US-10-775-204-1725	Sequence 1725, Ap

ALIGNMENTS

RESULT 1
US-09-971-843-7
; Sequence 7, Application US/09971843
; Publication No. US20030013162A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Grant, Francis J.
; APPLICANT: Rixon, Mark W.
; TITLE OF INVENTION: Interferon-epsilon
; FILE REFERENCE: 98-46D1
; CURRENT APPLICATION NUMBER: US/09/971,843
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/101,012
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/118,578
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: 60/142,766
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 09/397,992
; PRIOR FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-971-843-7

Query Match	100.0%	Score 874;	DB 3;	Length 166;
Best Local Similarity	100.0%;	Pred. No. 3e+75;	Mismatches	0;
Matches 166;	Conservative	0;	Indels	0;
Gaps	0;			
QY	1	MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKLQLOQFKEDAAITY	60	
Db	1	MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKLQLOQFKEDAAITY	60	
QY	61	EMLQNIFAIFQDSSSTGNETTIVENLLANYHQINHLKTVLEKLEKEDPTRGKLMSSL	120	
Db	61	EMLQNIFAIFQDSSSTGNETTIVENLLANYHQINHLKTVLEKLEKEDPTRGKLMSSL	120	
QY	121	HLKRYGRIHLVILKAKYSHCAWTIVRVEILNRYFINRLTGYLRN	166	
Db	121	HLKRYGRIHLVILKAKYSHCAWTIVRVEILNRYFINRLTGYLRN	166	

RESULT 2
US-09-732-436-16
; Sequence 16, Application US/09732436
; Publication No. US20030064919A1

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; GENERAL INFORMATION:
; APPLICANT: Prayaga, Suhirdas K
; APPLICANT: Shimkets, Richard A
; TITLE OF INVENTION: Novel Polypeptides and Polynucleotides Encoding Same
; FILE REFERENCE: 15966-615
; CURRENT APPLICATION NUMBER: US/09/732,436
; CURRENT FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: 60/169,887
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: 60/170,230
; PRIOR FILING DATE: 1999-12-10
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 16
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-732-436-16

Query Match      100.0%; Score 874; DB 3; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60

Qy 61 EMLQNIPIAFQDSSSTGNNETIVENLLANYHQLNHLKTVLEBKLEKEDPTRGKLMSSL 120
Db 61 EMLQNIPIAFQDSSSTGNNETIVENLLANYHQLNHLKTVLEBKLEKEDPTRGKLMSSL 120

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166

RESULT 3
US-10-246-932-1
; Sequence 1, Application US/10246932
; Publication No. US20030082138A1
; GENERAL INFORMATION:
; APPLICANT: Masuoka, Lorraine
; TITLE OF INVENTION: Methods for Treating Multiple Sclerosis
; FILE REFERENCE: PPI8399.002
; CURRENT APPLICATION NUMBER: US/10/246,932
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/322,933
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-246-932-1

Query Match      100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60

Qy 61 EMLQNIPIAFQDSSSTGNNETIVENLLANYHQLNHLKTVLEBKLEKEDPTRGKLMSSL 120
Db 61 EMLQNIPIAFQDSSSTGNNETIVENLLANYHQLNHLKTVLEBKLEKEDPTRGKLMSSL 120

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
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RESULT 4
US-10-186-962-1
; Sequence 1, Application US/10186962
; Publication No. US20030138403A1
; GENERAL INFORMATION:
; APPLICANT: DRUSTUP, Joern
; APPLICANT: Maxygen Aps
; APPLICANT: Maxygen Holdings Ltd.
; TITLE OF INVENTION: Interferon Formulations
; FILE REFERENCE: 023208410
; CURRENT APPLICATION NUMBER: US/10/186,962
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/302,140
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 60/316,170
; PRIOR FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: 60/357,945
; PRIOR FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-186-962-1

Query Match      100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60

Qy 61 EMLQNIPIAFQDSSSTGNNETIVENLLANYHQLNHLKTVLEBKLEKEDPTRGKLMSSL 120
Db 61 EMLQNIPIAFQDSSSTGNNETIVENLLANYHQLNHLKTVLEBKLEKEDPTRGKLMSSL 120

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166

RESULT 5
US-10-400-377-5
; Sequence 5, Application US/10400377
; Publication No. US20030162949A1
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; APPLICANT: Bolder Biotechnology, Inc.
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/10/400,377
; CURRENT FILING DATE: 2003-03-26
; PRIOR APPLICATION NUMBER: US/09/462,941
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 5
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-400-377-5

Query Match      100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
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RESULT 7
US-10-084-706-2
; Sequence 2. Application US/10084706
; Publication No. US20030170206A1
; GENERAL INFORMATION:
; APPLICANT: RASMUSSEN, Poul Baad
; APPLICANT: DRUSTRUP, Jørn
; APPLICANT: RASMUSSEN, Grethe
; APPLICANT: PEDERSEN, Anders Hjelholt
; APPLICANT: SCHAMBYE, Hans Thalgsg+rd
; APPLICANT: ANDERSEN, Kim Vilbourn
; APPLICANT: BORNIS, Claus
; APPLICANT: Maxygen Aps
; APPLICANT: Maxygen Holdings Ltd.
; TITLE OF INVENTION: NEW INTERFERON BETA-LIKE MOLECULES
; FILE REFERENCE: 0228us410
; CURRENT APPLICATION NUMBER: US/10/084,706
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: US 60/272,116
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 60/343,436
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: US 60/302,140

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Query Match      100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
: Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MSYNLLGLFLORSSNFQCKLLWLNGLREYCLKDRMNFDPISIKQLQQFQKEDAAITY 60
    |||||

Qy 61 EMLQNTFAIPRODSSSTGWNTEIVNLLANYVHQINHLKTVLBEKLEKEDFTGKLMSSL 120
    |||||
Db 61 EMLQNTFAIPRODSSSTGWNTEIVNLLANYVHQINHLKTVLBEKLEKEDFTGKLMSSL 120
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	Query Match	100.0%	Score 874;	DB 4;	Length 166;
	Best Local Similarity	100.0%;	Prid. No. 3e-75;		
	Matches 166;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MSYLLGFLQRSSNFQCKLLMWLQNGLEYLECLKDORMNFDIPEEIKQLQOQKEDAAATIIY	60		
Db	1	MSYLLGFLQRSSNFQCKLLMWLQNGLEYLECLKDORMNFDIPEEIKQLQOQKEDAAATIIY	60		
QY	61	EMLQNTFAIFROSSSTGWNETIVENLLANYVHOINLKTVEEKLKEDFTRGKMLSSL	120		

Query Match	100.0%;	Score 874;	DB 4;	Length 166;
Best Local Similarity	100.0%;	Pred. No. 3e-75;		
Matches 166;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MSYNLGFLQSSNFQCKLLWQNGRLGYCLKDRWNFDIPEIKQLQOQFKEDAALTYI	60	
Db	1	MSYNLGFLQSSNFQCKLLWQNGRLGYCLKDRWNFDIPEIKQLQOQFKEDAALTYI	60	
Qy	61	EMLQNIFAIPRODSSSTGWNTEIVNLLANVYHQINHLKTVLBEKLEKEDFTRGKLMSSL	120	
Db	61	EMLQNIFAIPRODSSSTGWNTEIVNLLANVYHQINHLKTVLBEKLEKEDFTRGKLMSSL	120	
Qy	121	HLKRYYGRILHYLKAEYSHCAWTIVRVEILRNIFYINRLTGYLRN	166	
Db	121	HLKRYYGRILHYLKAEYSHCAWTIVRVEILRNIFYINRLTGYLRN	166	
RESULT 12				
US-10-448-6667-1				

; Sequence 1, Application US/10448667
; Publication No. US20040022763A1
; GENERAL INFORMATION:
; APPLICANT: Fraunhofer-Gesellschaft zur Foerderung Angewand
; APPLICANT: Schneider-Presenius, Christian
; APPLICANT: Otto, Bernd
; APPLICANT: Waschutza, Gero
; TITLE OF INVENTION: HUMAN RECOMBINANT BETA-INTERFERON WITH IMPROVED SOLUBILITY
; FILE REFERENCE: 127-65050
; CURRENT APPLICATION NUMBER: US/10/448,667
; CURRENT FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: 09/403,532
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/EP/98/02238
; PRIOR FILING DATE: 1998-04-16
; PRIOR APPLICATION NUMBER: DE 19717864.2
; PRIOR FILING DATE: 1997-04-23
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-448-667-1

Query Match 100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLLWQNGRLEYCLKDRMNFDPPEIKLOQFOKEDAAITY 60
DB 1 MSYNLLGFLQSSNFQCKLLWQNGRLEYCLKDRMNFDPPEIKLOQFOKEDAAITY 60
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILNRYFINRLTGYLNR 166
DB 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILNRYFINRLTGYLNR 166

RESULT 13
US-10-743-068-2
; Sequence 2, Application US/10743068
; Publication No. US20040126361A1
; GENERAL INFORMATION:
; APPLICANT: Saifer, Mark G.P.
; APPLICANT: Martinez, Alexa L.
; APPLICANT: Williams, L. David
; APPLICANT: Sherman, Merry R.
; TITLE OF INVENTION: POLYMER CONJUGATES OF INTERFERON-BETA WITH ENHANCED BIOLOGICAL PO
; CURRENT APPLICATION NUMBER: US/10/743,068
; CURRENT FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: 60/479,914
; PRIOR FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: 60/479,913
; PRIOR FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: 60/436,020
; PRIOR FILING DATE: 2002-12-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-743-068-2

Query Match 100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQNGRLEYCLKDRMNFDPPEIKLOQFOKEDAAITY 60
DB 1 MSYNLLGFLQSSNFQCKLLWQNGRLEYCLKDRMNFDPPEIKLOQFOKEDAAITY 60
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILNRYFINRLTGYLNR 166
DB 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILNRYFINRLTGYLNR 166

RESULT 14
US-10-658-834A-196
; Sequence 196, Application US/10658834A
; Publication No. US20040132977A1
; GENERAL INFORMATION:
; APPLICANT: Gantier, Rene
; APPLICANT: Guyon, Thierry
; APPLICANT: Drittanti, Lila
; APPLICANT: Vega, Manuel
; TITLE OF INVENTION: Rational Evolution of Cytokines for Higher Stability, Encoding N
; TITLE OF INVENTION: Acid
; TITLE OF INVENTION: Molecules and Related Applications
; FILE REFERENCE: 38751-922
; CURRENT APPLICATION NUMBER: US/10/658,834A
; CURRENT FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: 60/457,135
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/409,898
; PRIOR FILING DATE: 2002-09-09
; NUMBER OF SEQ ID NOS: 1306
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 196
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: Genbank AAC41702
; DATABASE ENTRY DATE: 1995-01-01
US-10-658-834A-196

Query Match 100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLLWQNGRLEYCLKDRMNFDPPEIKLOQFOKEDAAITY 60
DB 1 MSYNLLGFLQSSNFQCKLLWQNGRLEYCLKDRMNFDPPEIKLOQFOKEDAAITY 60
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILNRYFINRLTGYLNR 166
DB 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILNRYFINRLTGYLNR 166

RESULT 15
US-10-658-834A-197
; Sequence 197, Application US/10658834A
; Publication No. US20040132977A1
; GENERAL INFORMATION:
; APPLICANT: Gantier, Rene
; APPLICANT: Guyon, Thierry
; APPLICANT: Drittanti, Lila
; APPLICANT: Vega, Manuel
; TITLE OF INVENTION: Rational Evolution of Cytokines for Higher Stability, Encoding N
; TITLE OF INVENTION: Acid
; TITLE OF INVENTION: Molecules and Related Applications
; FILE REFERENCE: 38751-922

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; CURRENT APPLICATION NUMBER: US/10/658,834A
; CURRENT FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: 60/457,135
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/409,898
; PRIOR FILING DATE: 2002-09-09
; NUMBER OF SEQ ID NOS: 1306
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 197
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: Genbank CAA23795
; DATABASE ENTRY DATE: 1993-09-12
US-10-658-834A-197

Query Match      100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQPFQKEDALTIY 60
Db      1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQPFQKEDALTIY 60

Qy      61 EMLQNIFAIPQDSSSTGWNETIVENLIANYVHQLNHLKTVLEBKEKEDFTGKLMSSL 120
Db      61 EMLQNIFAIPQDSSSTGWNETIVENLIANYVHQLNHLKTVLEBKEKEDFTGKLMSSL 120

Qy      121 HLKRYGRILHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
Db      121 HLKRYGRILHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
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Search completed: December 24, 2005, 04:28:08
Job time : 164 secs

November 2005

Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published_Applications_Main databases.

Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions **.rnpbm** (Published_Applications_NA_Main) and **.rnpbn** (Published_Applications_NA_New).

Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions **.rapbm** (Published_Applications_AA_Main) and **.rapbn** (Published_Applications_AA_New).

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OM protein - protein search, using sw model

Run on: December 24, 2005, 04:14:31 ; Search time 13 Seconds
(without alignments)
91.080 Million cell updates/sec

Title: US-10-084-706-2
Perfect score: 874
Sequence: 1 MSYNLLGLFQSSNFQCKL.....RVEILNRYFINRLTGYLRN 166

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 54001 seqs, 7132810 residues

Total number of hits satisfying chosen parameters: 54001

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA_New.*

- 1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pap.*
- 2: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pap.*
- 3: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pap.*
- 4: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pap.*
- 5: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pap.*
- 6: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pap.*
- 7: /cgn2_6/prodata/2/pubpaa/US11_NEW_PUB.pap.*
- 8: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	874	100.0	166	7	US-11-147-492-1 Sequence 1, Appli
2	864	98.9	166	7	US-11-147-492-2 Sequence 2, Appli
3	342.5	39.2	182	7	US-11-147-492-34 Sequence 34, Appli
4	260.5	29.8	166	7	US-11-132-722-55 Sequence 55, Appli
5	260.5	29.8	189	7	US-11-147-492-26 Sequence 26, Appli
6	258	29.5	166	7	US-11-132-722-44 Sequence 44, Appli
7	256	29.3	166	7	US-11-132-722-8 Sequence 8, Appli
8	254.5	29.1	165	7	US-11-132-722-46 Sequence 46, Appli
9	254.5	29.1	188	7	US-11-147-492-8 Sequence 8, Appli
10	254.5	29.1	415	7	US-11-029-003-12 Sequence 12, Appli
11	254.5	29.1	423	7	US-11-029-003-10 Sequence 10, Appli
12	254.5	29.1	430	7	US-11-029-003-22 Sequence 22, Appli
13	254.5	29.1	669	7	US-11-053-100-39 Sequence 39, Appli
14	254	29.1	166	7	US-11-132-722-38 Sequence 38, Appli
15	254	29.1	189	7	US-11-147-492-24 Sequence 24, Appli
16	253.5	29.0	165	7	US-11-132-722-47 Sequence 47, Appli
17	253.5	29.0	166	7	US-11-132-722-48 Sequence 48, Appli
18	253.5	29.0	172	7	US-11-177-010-2 Sequence 2, Appli
19	253.5	29.0	172	7	US-11-177-010-4 Sequence 4, Appli
20	253.5	29.0	172	7	US-11-112-369-1 Sequence 1, Appli
21	253.5	29.0	172	7	US-11-112-369-2 Sequence 2, Appli
22	252	28.8	166	7	US-11-132-722-39 Sequence 39, Appli
23	252	28.8	167	7	US-11-132-722-58 Sequence 58, Appli
24	251.5	28.8	166	7	US-11-132-722-49 Sequence 49, Appli
25	251.5	28.8	166	7	US-11-132-722-51 Sequence 51, Appli

26	251.5	28.8	189	7	US-11-147-492-12 Sequence 12, Appli
27	251.5	28.8	189	7	US-11-147-492-16 Sequence 16, Appli
28	251	28.7	166	7	US-11-132-722-1 Sequence 1, Appli
29	251	28.7	166	7	US-11-132-722-9 Sequence 9, Appli
30	251	28.7	166	7	US-11-132-722-36 Sequence 36, Appli
31	251	28.7	166	7	US-11-132-722-41 Sequence 41, Appli
32	251	28.7	166	7	US-11-132-722-43 Sequence 43, Appli
33	251	28.7	166	7	US-11-132-722-54 Sequence 54, Appli
34	250	28.6	166	7	US-11-132-722-5 Sequence 5, Appli
35	250	28.6	166	7	US-11-132-722-16 Sequence 16, Appli
36	249.5	28.5	189	7	US-11-147-492-10 Sequence 10, Appli
37	249	28.5	166	7	US-11-132-722-17 Sequence 17, Appli
38	249	28.5	166	7	US-11-132-722-28 Sequence 28, Appli
39	249	28.5	166	7	US-11-132-722-32 Sequence 32, Appli
40	249	28.5	166	7	US-11-132-722-37 Sequence 37, Appli
41	248.5	28.4	166	7	US-11-132-722-56 Sequence 56, Appli
42	248.5	28.4	189	7	US-11-147-492-28 Sequence 28, Appli
43	248	28.4	166	7	US-11-132-722-2 Sequence 2, Appli
44	248	28.4	166	7	US-11-132-722-33 Sequence 33, Appli
45	248	28.4	166	7	US-11-132-722-40 Sequence 40, Appli

ALIGNMENTS

RESULT 1

US-11-147-492-1
; Sequence 1, Application US/11147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kapp, Joachim-Freidrich
; APPLICANT: Kuehl, Uwe
; APPLICANT: Groetzbach, Georg
; APPLICANT: Schultzeis, Heinz-Peter
; APPLICANT: Sowade, Olaf
; APPLICANT: Stuerzebecher, Claus-Steffen
; TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
; FILE REFERENCE: 53223
; CURRENT APPLICATION NUMBER: US/11/147,492
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US 60/579,024
; PRIOR FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-147-492-1

Query Match 100.0%; Score 874; DB 7; Length 166;
Best Local Similarity 100.0%; Pred. No. 9e-77;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSYNLLGLFQSSNFQCKLWQLNGRLEYCLKDRNFDIPEIKLOQFQKEDAALTY 60
Db 1 MSYNLLGLFQSSNFQCKLWQLNGRLEYCLKDRNFDIPEIKLOQFQKEDAALTY 60
QY 61 EMLQNIFAIFQDSSSTGNETIVENLANVYHQINHLKTVLEKLEKEDFTRGKLMSSL 120
Db 61 EMLQNIFAIFQDSSSTGNETIVENLANVYHQINHLKTVLEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILNRYFINRLTGYLRN 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTVRVEILNRYFINRLTGYLRN 166

RESULT 2

US-11-147-492-2
; Sequence 2, Application US/11147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kapp, Joachim-Freidrich

```

; APPLICANT: Kuehl, Uwe
; APPLICANT: Groetzbach, Georg
; APPLICANT: Schultzeis, Heinz-Peter
; APPLICANT: Sowade, Olaf
; APPLICANT: Stuerzebecher, Claus-Steffen
; TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
; FILE REFERENCE: 53223
; CURRENT APPLICATION NUMBER: US/11/147,492
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US 60/579,024
; PRIOR FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 2
; LENGTH: 166
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-147-492-2

Query Match          98.9%; Score 864; DB 7; Length 166;
Best Local Similarity 99.4%; Pred. No. 8e-76;
Matches 165; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQOFQKEDAAITY 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQOFQKEDAAITY 60

Qy 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHOINHLKTVLEKLEKEDFTRGKLMSL 120
Db 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHOINHLKTVLEKLEKEDFTRGKLMSL 120

Qy 121 HLKRYGRIHLHYKAKESHCAMTIVRVEILRNFFINRLTGYLRLN 166
Db 121 HLKRYGRIHLHYKAKESHCAMTIVRVEILRNFFINRLTGYLRLN 166

RESULT 3
US-11-147-492-34
; Sequence 34, Application US/11/147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kuehl, Uwe
; APPLICANT: Groetzbach, Georg
; APPLICANT: Schultzeis, Heinz-Peter
; APPLICANT: Sowade, Olaf
; APPLICANT: Stuerzebecher, Claus-Steffen
; TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
; FILE REFERENCE: 53223
; CURRENT APPLICATION NUMBER: US/11/147,492
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US 60/579,024
; PRIOR FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 34
; LENGTH: 182
; TYPE: PRT
; ORGANISM: muscus muscus
US-11-147-492-34

Query Match          39.2%; Score 342.5; DB 7; Length 182;
Best Local Similarity 46.4%; Pred. No. 4.2e-26;
Matches 77; Conservative 27; Mismatches 57; Indels 5; Gaps 3;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQOFQKEDAAITY 60
Db 22 INYKQLQQRNTIRKCKELLEQLNGKIN--LTVRADFKIPMEM--TEKMOKSYTFAIQ 77

Qy 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHOINHLKTVLEKLEKEDFTRGKLMSL 120
Db 78 EMLQNVFLVFRNFSSTGNNETIVRLLDELHQQTIVFLKTVLEEK--QERLUTWMSSTAL 136
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Qy 121 HLKRYGRIHLHYKAKESHCAMTIVRVEILRNFFINRLTGYLRLN 166
Db 137 HLKSYWVRQVRYLKLKMYNSYAWMVRAEIRFRNLIIRLRTNPFON 182

RESULT 4
US-11-132-722-55
; Sequence 55, Application US/11/132722
; Publication No. US20050266465A1
; GENERAL INFORMATION:
; APPLICANT: Patten, Phillip A., et al.
; TITLE OF INVENTION: INTERPERON-ALPHA POLYPEPTIDES AND CONJUGATES
; FILE REFERENCE: 0280.310US
; CURRENT APPLICATION NUMBER: US/11/132,722
; CURRENT FILING DATE: 2005-05-18
; PRIOR APPLICATION NUMBER: US 60/572,504
; PRIOR FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 55
; LENGTH: 166
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-132-722-55

Query Match          29.8%; Score 260.5; DB 7; Length 166;
Best Local Similarity 37.2%; Pred. No. 2.4e-18;
Matches 55; Conservative 30; Mismatches 60; Indels 3; Gaps 2;

Qy 20 LLWQLNGRLRY--CLKDRMNFDPPEIKQLQOFQKEDAAITYEMLQNIFAIPQDSSST 77
Db 17 LLAQM-GRISFSCDKDRYDFGPPQEVDFGQFQKQAISAFHEMIQOTFNLPSTKSSA 75

Qy 78 GWNETIVENLLANYHOINHLKTVLEKLEKEDFTRGKLMSLHLKRYGRIHLHYLAK 137
Db 76 AWDETLLDKFYIELFQQLNDLEACVTQEVGVSEIATMNEDSILAVRKYFORITILYLMGKK 135

Qy 138 YSHCAMTIVRVEILRNFFINRLTGYLRLN 165
Db 136 YSPCWEVVRRAEIMRSFSSTNLQKGLR 163

RESULT 5
US-11-147-492-26
; Sequence 26, Application US/11/147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kapp, Joachim-Freidrich
; APPLICANT: Kuehl, Uwe
; APPLICANT: Groetzbach, Georg
; APPLICANT: Schultzeis, Heinz-Peter
; APPLICANT: Sowade, Olaf
; APPLICANT: Stuerzebecher, Claus-Steffen
; TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
; FILE REFERENCE: 53223
; CURRENT APPLICATION NUMBER: US/11/147,492
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US 60/579,024
; PRIOR FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 26
; LENGTH: 189
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-147-492-26

Query Match          29.8%; Score 260.5; DB 7; Length 189;
Best Local Similarity 37.2%; Pred. No. 2.9e-18;
Matches 55; Conservative 30; Mismatches 60; Indels 3; Gaps 2;

Qy 20 LLWQLNGRLRY--CLKDRMNFDPPEIKQLQOFQKEDAAITYEMLQNIFAIPQDSSST 77
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Db 40 LLAQM-GRISHSCLKDRYDFGFPQEVFGNQFQAQASAFHEMIQOTFNLFSTKSSA 98
QY 78 GWNTEVLLANVYHQNHLKTVLEEKLEKEDFTGRKLMSSHLKRYGRILHYLKAKE 137
Db 99 AMDETLLDKFYELFQQLNDLEACVTEQVGVBEIALMNEDSILAVRKYFQRTILYLMGCK 158
QY 138 YSHCAWTIVRVEILNRYFINRLTGYLR 165
Db 159 YSPCAWEVVRAIMRSFSFSTNLQKGLR 186

RESULT 6

US-11-132-722-44
; Sequence 44, Application US/11132722
; Publication No. US20050266465A1
; GENERAL INFORMATION:
; APPLICANT: Patten, Phillip A., et al.
; TITLE OF INVENTION: INTERFERON-ALPHA POLYPEPTIDES AND CONJUGATES
; FILE REFERENCE: 0280.310US
; CURRENT APPLICATION NUMBER: US/11/132,722
; CURRENT FILING DATE: 2005-05-18
; PRIOR APPLICATION NUMBER: US 60/572,504
; PRIOR FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct 25Sp129

Query Match 29.5%; Score 258; DB 7; Length 166;
Best Local Similarity 37.5%; Pred. No. 4.2e-18;
Matches 51; Conservative 29; Mismatches 56; Indels 0; Gaps 0;
QY 31 CLKDRMNFDPPEIKLOQOFKEDAAITTYEMQLNIFAIQRDSSSTGWNTEVLLAN 90
Db 29 CLKDRHDFGFPBEEFDGHQFQKQALSVLHQLIQTFLNLFSTKSSAAWDETLLEKPYIE 88
QY 91 VYHQNHLKTVLEEKLEKEDFTGRKLMSSHLKRYGRILHYLKAKYSHCAWTIVRVEI 150
Db 89 LPQOMNLEACVTEQVGVBEIALMNVDLSILAVRKYFRITLYLTKKYSPCAWEVVRAEI 148
QY 151 LBNFYFINRLTGYLRN 166
Db 149 MRSFSFSTNLQDSLRS 164

RESULT 7

US-11-132-722-8
; Sequence 8, Application US/11132722
; Publication No. US20050266465A1
; GENERAL INFORMATION:
; APPLICANT: Patten, Phillip A., et al.
; TITLE OF INVENTION: INTERFERON-ALPHA POLYPEPTIDES AND CONJUGATES
; FILE REFERENCE: 0280.310US
; CURRENT APPLICATION NUMBER: US/11/132,722
; CURRENT FILING DATE: 2005-05-18
; PRIOR APPLICATION NUMBER: US 60/572,504
; PRIOR FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct 14Sp113

US-11-132-722-8

Query Match 29.3%; Score 256; DB 7; Length 166;
Best Local Similarity 35.2%; Pred. No. 6.5e-18;
Matches 57; Conservative 28; Mismatches 63; Indels 14; Gaps 1;
QY 5 LLGFLQRSNFCQCKLLWQLNGRLLEYCLKDRMNFDPPEIKLOQOFKEDAAITTYEMQL 64
Db 17 LLAQWRIRISLFS-----CLKDRHDFGFPQEVFGNQFQAQASAFHEMIQOTFNLFSTKSSA 62
QY 65 NIFAIQRDSSSTGWNTEVLLANVYHQNHLKTVLEEKLEKEDFTGRKLMSSHLKLR 124
Db 63 QTFNLFSTKSSAAWDETLLEKPYIELFQOMNLEACVTEQVGVBEIPLMNVDLSILAVRK 122
QY 125 YGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGYLRN 166
Db 123 YFQRTILYLTCKKYSPCAWEVVRAIMRSFSFSTNLQESLRS 164

RESULT 8

US-11-132-722-46
; Sequence 46, Application US/11132722
; Publication No. US20050266465A1
; GENERAL INFORMATION:
; APPLICANT: Patten, Phillip A., et al.
; TITLE OF INVENTION: INTERFERON-ALPHA POLYPEPTIDES AND CONJUGATES
; FILE REFERENCE: 0280.310US
; CURRENT APPLICATION NUMBER: US/11/132,722
; CURRENT FILING DATE: 2005-05-18
; PRIOR APPLICATION NUMBER: US 60/572,504
; PRIOR FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 165
; TYPE: PRT
; ORGANISM: homo sapiens
; OTHER INFORMATION: Synthetic Construct 25Sp129

Query Match 29.1%; Score 254.5; DB 7; Length 165;
Best Local Similarity 36.1%; Pred. No. 9e-18;
Matches 61; Conservative 26; Mismatches 53; Indels 29; Gaps 4;
QY 5 LLGFLQRSNFCQCKLLWQLNGRLLEYCLKDRMNFDPPEIKLOQOFKEDAAITTYEMQL 64
Db 17 LLAQWRIRISLFS-----CLKDRHDFGFPQEVFGNQFQAQASAFHEMIQ 61
QY 65 NIFAIQRDSSSTGWNTEVLLANVYHQNHLKTVLEEKLEKEDFTGRKLM 117
Db 62 QTFNLFSTKSSAAWDETLLEKPYIELFQOMNLEACVTEQVGVBEIPLMNVDLSILAVRK 114
QY 118 SSLHLKRYGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGYLRN 166
Db 115 SILAVRKYFQRTILYLTCKKYSPCAWEVVRAIMRSFSLSLNLQESLRS 163

RESULT 9

US-11-147-492-8
; Sequence 8, Application US/11147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kapp, Joachim-Freidrich
; APPLICANT: Kuehl, Uwe
; APPLICANT: Groetzbach, Georg
; APPLICANT: Schultzeiss, Heinz-Peter
; APPLICANT: Sowade, Olaf
; APPLICANT: Stuerzebecher, Claus-Steffen
; TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
; FILE REFERENCE: 53223
; CURRENT APPLICATION NUMBER: US/11/147,492
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US 60/579,024

; PRIOR FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 188
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-147-492-8

Query Match 29.1%; Score 254.5; DB 7; Length 188;
Best Local Similarity 36.1%; Pred. No. 1.1e-17;
Matches 61; Conservative 26; Mismatches 53; Indels 29; Gaps 4;

Qy 5 LLGLQSSNFQCCQLLWQLNGRLVCLKDRMNFDPPEIKQLQFQKEDAAALTIYEMLQ 64
Db 40 LLAQMRRLSLSF-----CLKDRHDFGFQE-EFGNQFQKAEITPVLHEMIQ 84

Qy 65 NIPAFQDSSSTGWNETIVENLLANVYHQNHLKT-----VLEKLEKEDPTRGKLM 117
Db 85 QIFNLFSTKDSAAWDETLLDKFYTELQYQNDLEACVIGVGVTETPLMKED----- 137

Qy 118 SSLHLKRYGRIHLVYLKAKESHCAWTIVRVEILRNFFINRLTGYLRN 166
Db 138 SILAVRKYFORITLYLKEKYSKPCAWEVVRABIMRSFSLSTNLQESLRS 186

RESULT 10

US-11-029-003-12
; Sequence 12, Application US/11029003
; Publication No. US20050260194A1

GENERAL INFORMATION:

; APPLICANT: PETERS, ROBERT T.
; APPLICANT: MEZO, ADAM R.
; APPLICANT: RIVERA, DANIEL S.
; APPLICANT: BITONTI, ALAN J.
; APPLICANT: STATTEL, JAMES

; TITLE OF INVENTION: IMMUNOGLOBULIN CHIMERIC MONOMER-DIMER HYBRIDS

; FILE REFERENCE: 08945.0007-01000
; CURRENT APPLICATION NUMBER: US/11/029,003

; CURRENT FILING DATE: 2005-01-05

; PRIOR APPLICATION NUMBER: 60/539,207

; PRIOR FILING DATE: 2004-01-26

; PRIOR APPLICATION NUMBER: 60/487,964

; PRIOR FILING DATE: 2003-07-17

; PRIOR APPLICATION NUMBER: 60/469,600

; PRIOR FILING DATE: 2003-05-06

; NUMBER OF SEQ ID NOS: 91

; SOFTWARE: PatentIn ver. 3.2

; SEQ ID NO 12

; LENGTH: 415

; TYPE: PRT

; ORGANISM: Artificial Sequence

FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: construct

US-11-029-003-12

Query Match 29.1%; Score 254.5; DB 7; Length 415;
Best Local Similarity 36.1%; Pred. No. 2.8e-17;
Matches 61; Conservative 26; Mismatches 53; Indels 29; Gaps 4;

Qy 5 LLGLQSSNFQCCQLLWQLNGRLVCLKDRMNFDPPEIKQLQFQKEDAAALTIYEMLQ 64
Db 40 LLAQMRRLSLSF-----CLKDRHDFGFQE-EFGNQFQKAEITPVLHEMIQ 84

Qy 65 NIPAFQDSSSTGWNETIVENLLANVYHQNHLKT-----VLEKLEKEDPTRGKLM 117
Db 85 QIFNLFSTKDSAAWDETLLDKFYTELQYQNDLEACVIGVGVTETPLMKED----- 137

Qy 118 SSLHLKRYGRIHLVYLKAKESHCAWTIVRVEILRNFFINRLTGYLRN 166
Db 138 SILAVRKYFORITLYLKEKYSKPCAWEVVRABIMRSFSLSTNLQESLRS 186

RESULT 11

US-11-029-003-10
; Sequence 10, Application US/11029003
; Publication No. US20050260194A1

GENERAL INFORMATION:

; APPLICANT: PETERS, ROBERT T.
; APPLICANT: MEZO, ADAM R.
; APPLICANT: RIVERA, DANIEL S.
; APPLICANT: BITONTI, ALAN J.
; APPLICANT: STATTEL, JAMES

; TITLE OF INVENTION: IMMUNOGLOBULIN CHIMERIC MONOMER-DIMER HYBRIDS

; FILE REFERENCE: 08945.0007-01000

; CURRENT APPLICATION NUMBER: US/11/029,003

; CURRENT FILING DATE: 2005-01-05

; PRIOR APPLICATION NUMBER: 60/539,207

; PRIOR FILING DATE: 2004-01-26

; PRIOR APPLICATION NUMBER: 60/487,964

; PRIOR FILING DATE: 2003-07-17

; PRIOR APPLICATION NUMBER: 60/469,600

; PRIOR FILING DATE: 2003-05-06

; NUMBER OF SEQ ID NOS: 91

; SOFTWARE: PatentIn ver. 3.2

; SEQ ID NO 10

; LENGTH: 423

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: construct

US-11-029-003-10

Query Match 29.1%; Score 254.5; DB 7; Length 423;
Best Local Similarity 36.1%; Pred. No. 2.9e-17;
Matches 61; Conservative 26; Mismatches 53; Indels 29; Gaps 4;

Qy 5 LLGLQSSNFQCCQLLWQLNGRLVCLKDRMNFDPPEIKQLQFQKEDAAALTIYEMLQ 64
Db 40 LLAQMRRLSLSF-----CLKDRHDFGFQE-EFGNQFQKAEITPVLHEMIQ 84

Qy 65 NIPAFQDSSSTGWNETIVENLLANVYHQNHLKT-----VLEKLEKEDPTRGKLM 117
Db 85 QIFNLFSTKDSAAWDETLLDKFYTELQYQNDLEACVIGVGVTETPLMKED----- 137

Qy 118 SSLHLKRYGRIHLVYLKAKESHCAWTIVRVEILRNFFINRLTGYLRN 166
Db 138 SILAVRKYFORITLYLKEKYSKPCAWEVVRABIMRSFSLSTNLQESLRS 186

RESULT 12

US-11-029-003-22
; Sequence 22, Application US/11029003
; Publication No. US20050260194A1

GENERAL INFORMATION:

; APPLICANT: PETERS, ROBERT T.
; APPLICANT: MEZO, ADAM R.
; APPLICANT: RIVERA, DANIEL S.
; APPLICANT: BITONTI, ALAN J.
; APPLICANT: STATTEL, JAMES

; TITLE OF INVENTION: IMMUNOGLOBULIN CHIMERIC MONOMER-DIMER HYBRIDS

; FILE REFERENCE: 08945.0007-01000

; CURRENT APPLICATION NUMBER: US/11/029,003

; CURRENT FILING DATE: 2005-01-05

; PRIOR APPLICATION NUMBER: 60/539,207

; PRIOR FILING DATE: 2004-01-26

; PRIOR APPLICATION NUMBER: 60/487,964

; PRIOR FILING DATE: 2003-07-17

; PRIOR APPLICATION NUMBER: 60/469,600

; PRIOR FILING DATE: 2003-05-06

; NUMBER OF SEQ ID NOS: 91

; SOFTWARE: PatentIn ver. 3.2

; SEQ ID NO 22

; LENGTH: 430

Qy 151 LRNFYFINRLTGYL 165
:|:| | | | |
Db 172 MRSPFSFTNLQKRL 186

Search completed: December 24, 2005, 04:28:26
Job time : 14 secs